

FIG. 1A

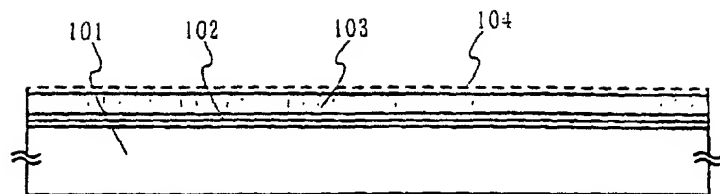


FIG. 1B

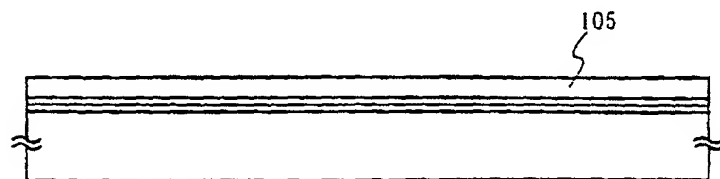


FIG. 1C

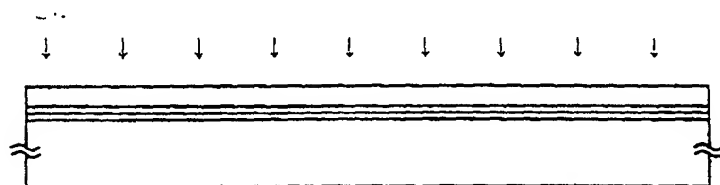
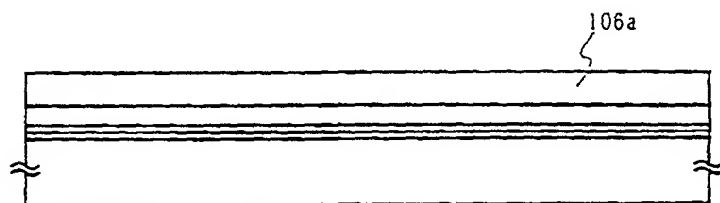


FIG. 1D



2024-10-26 10:00:00

FIG. 2A

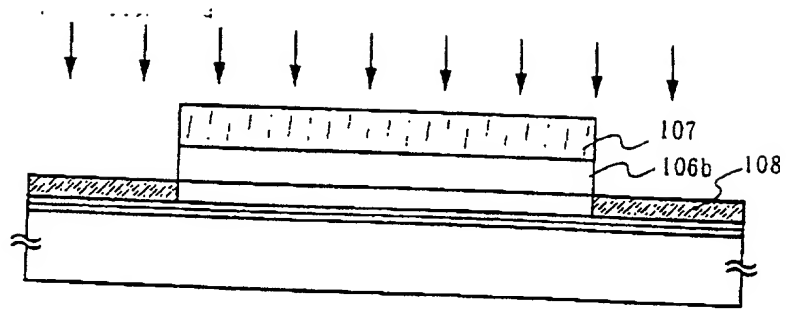


FIG. 2B

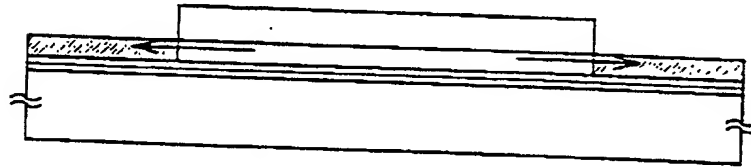


FIG. 2C

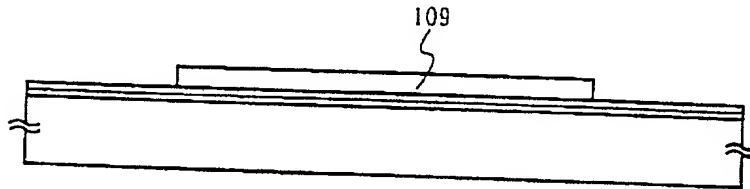


FIG. 2D

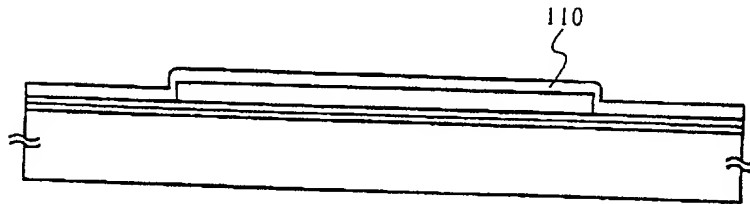


FIG. 3A

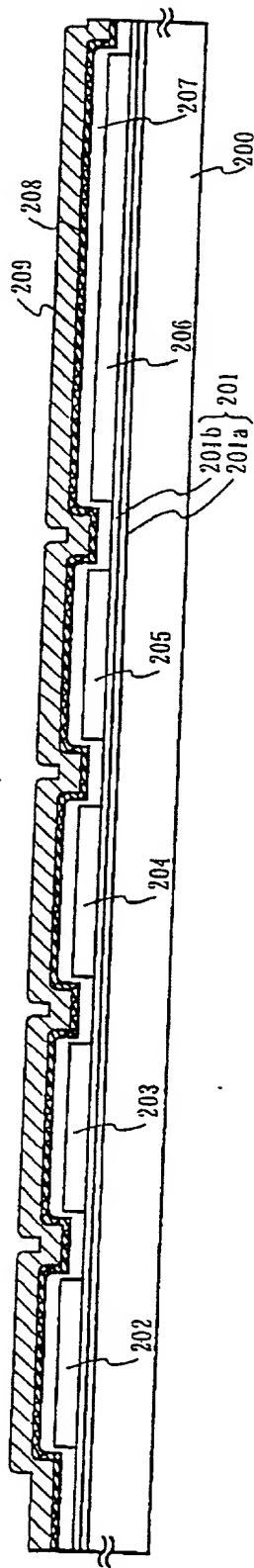


FIG. 3B

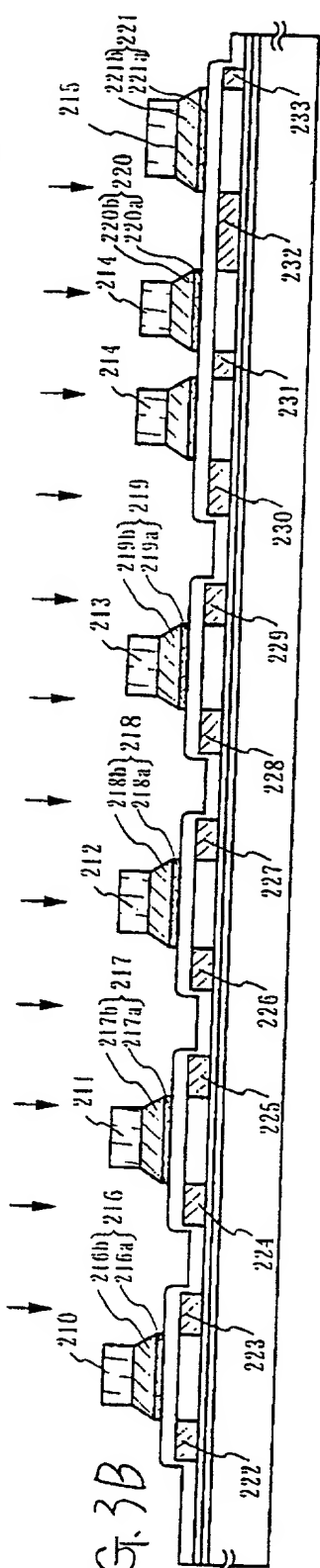


FIG. 3C

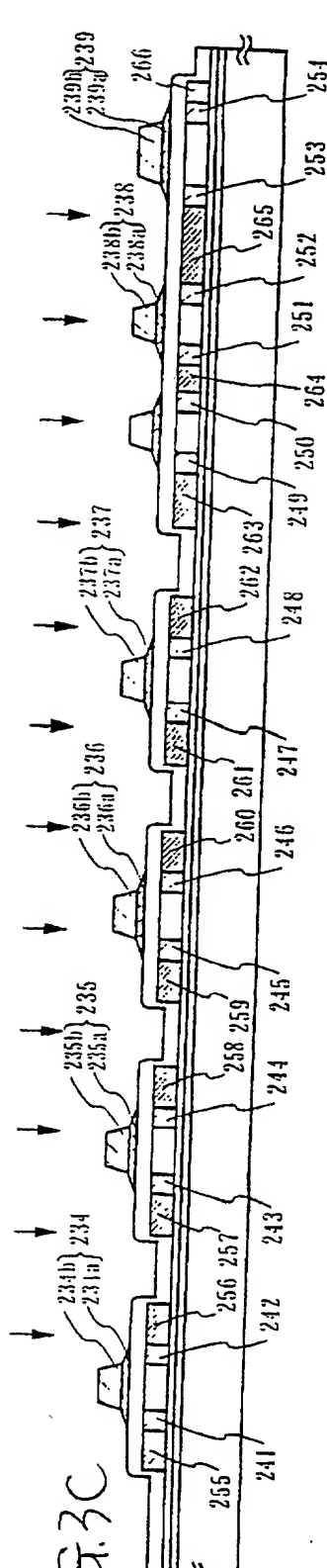


FIG. 4A

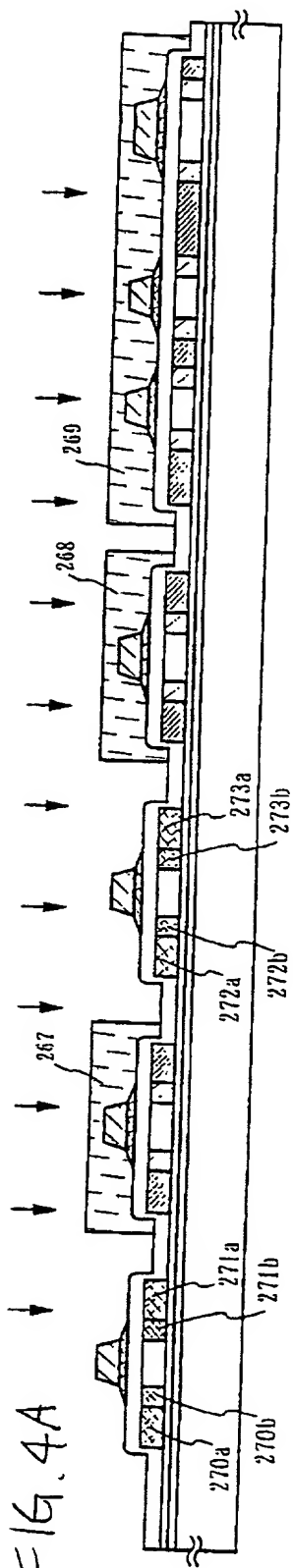


FIG. 4B

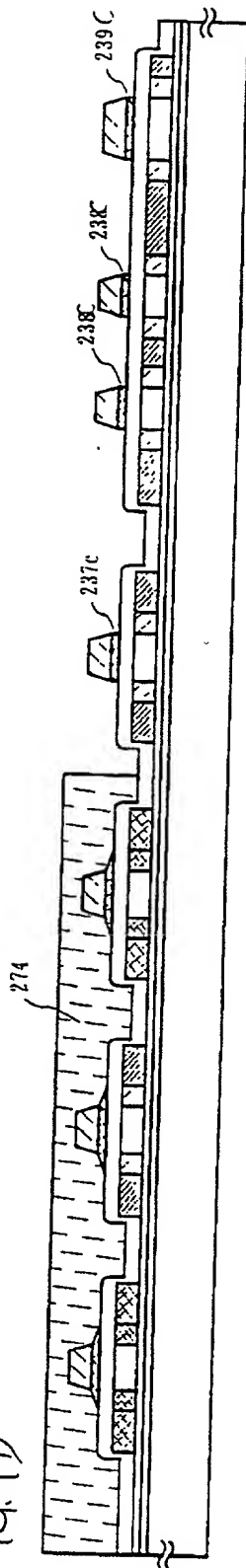
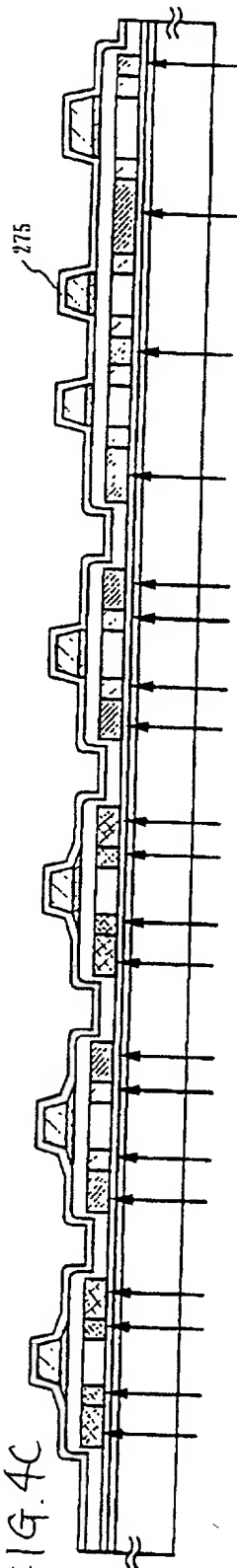


FIG. 4C



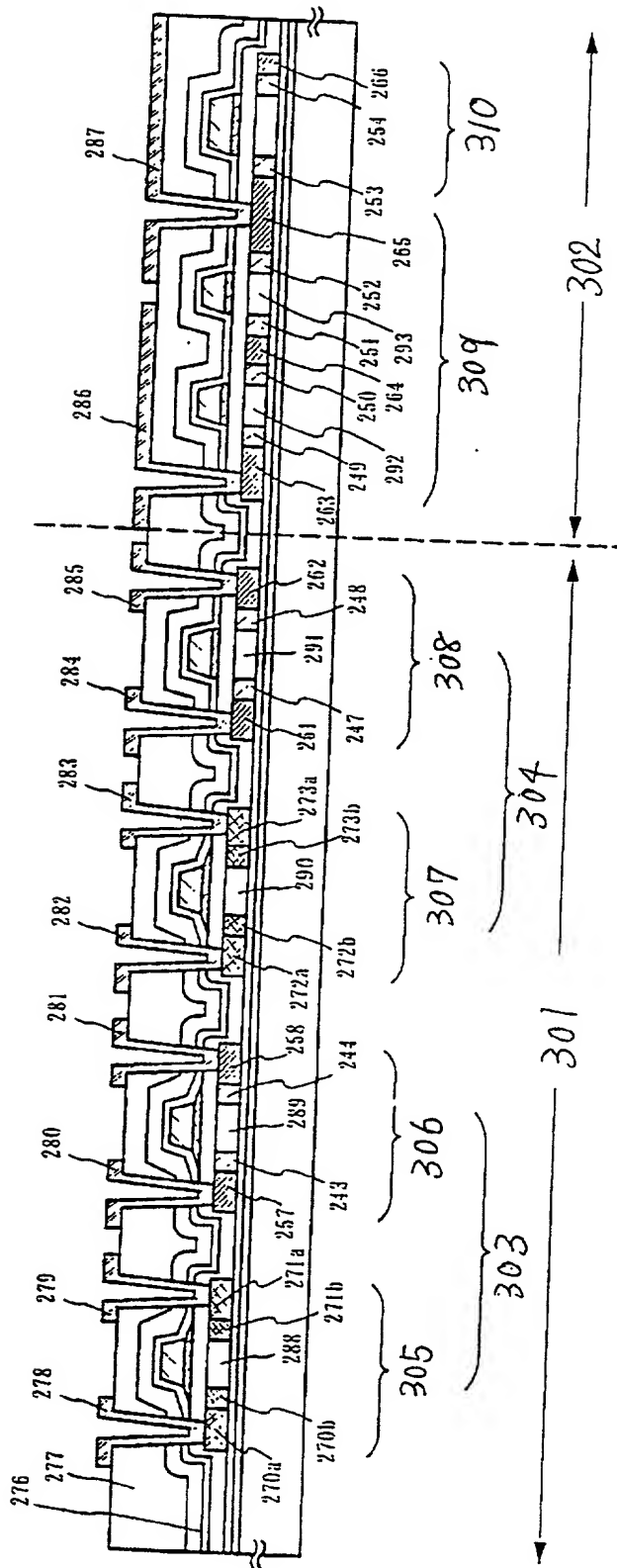


FIG. 5

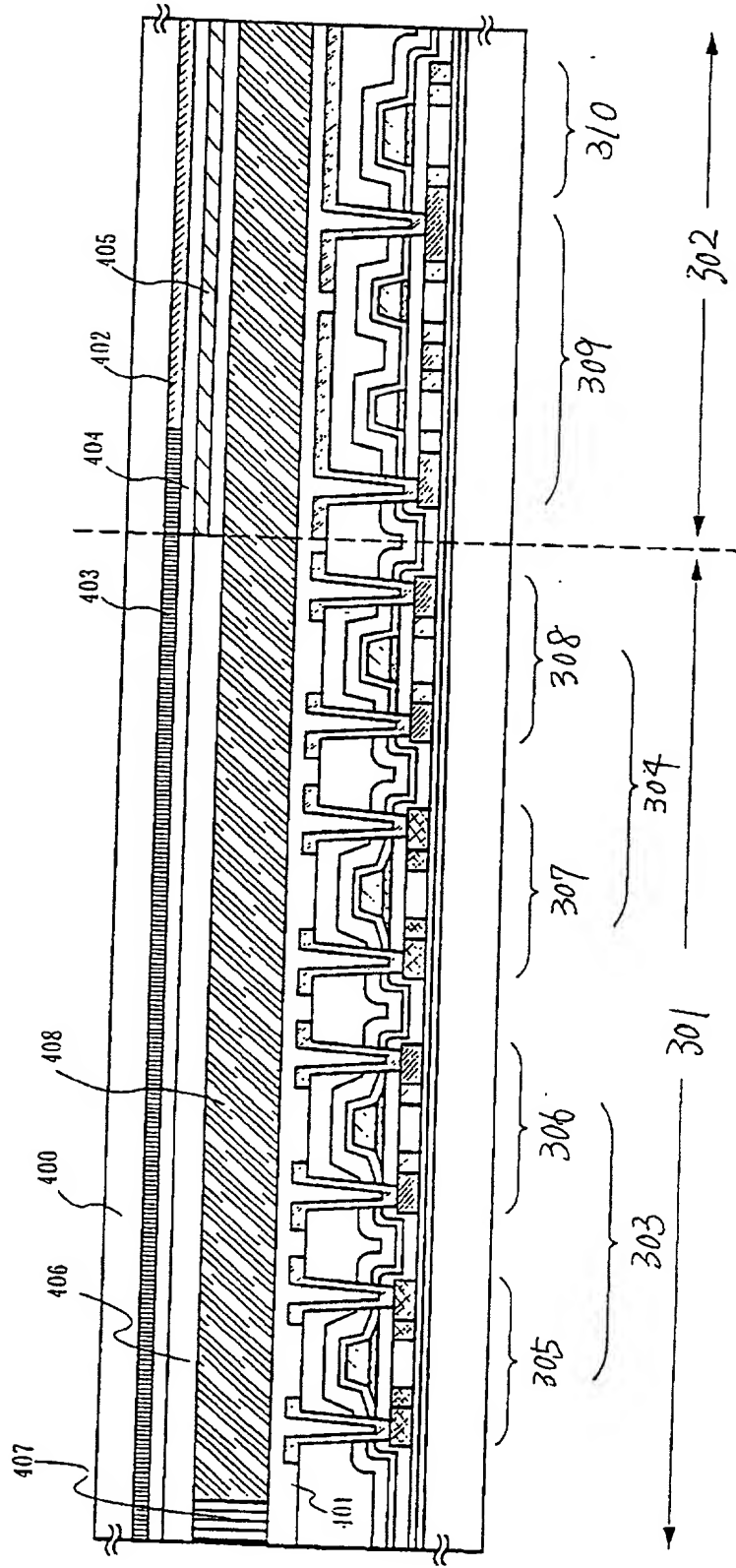


FIG. 6

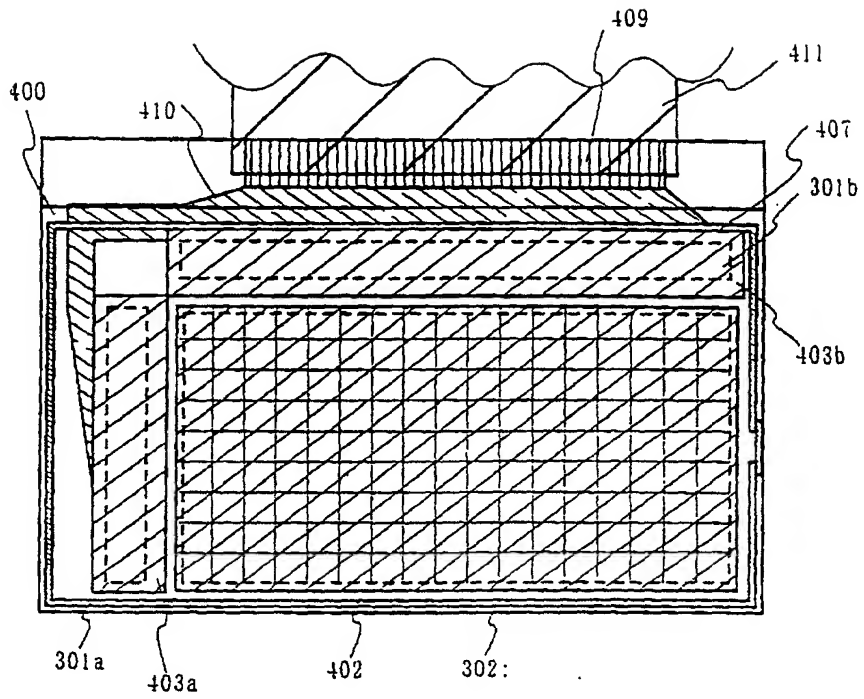


FIG. 7

2024-03-01 10:46:33

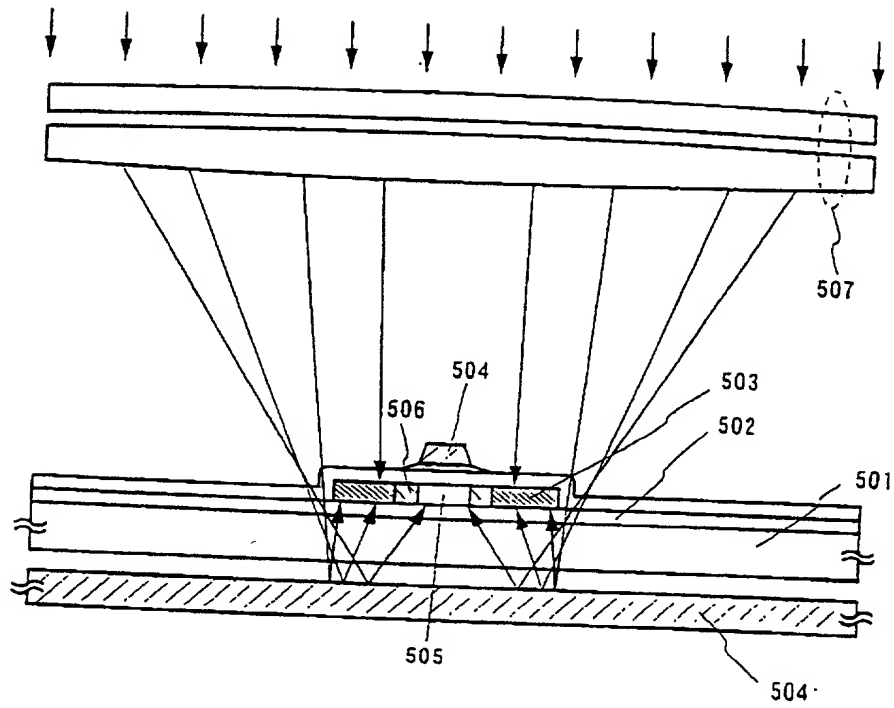


FIG. 8

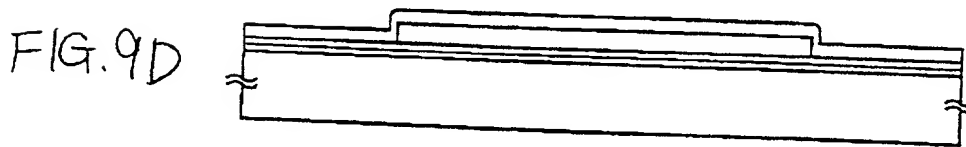
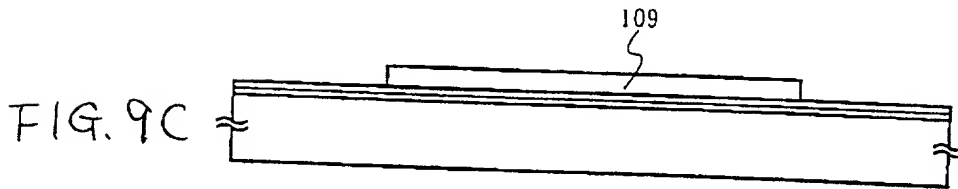
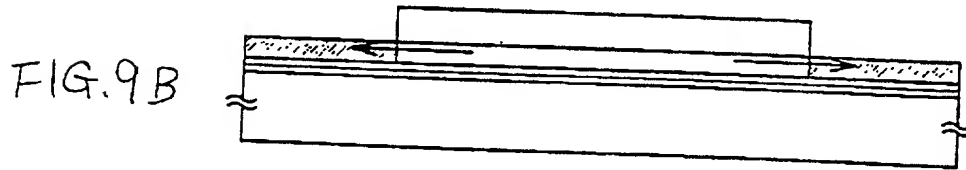
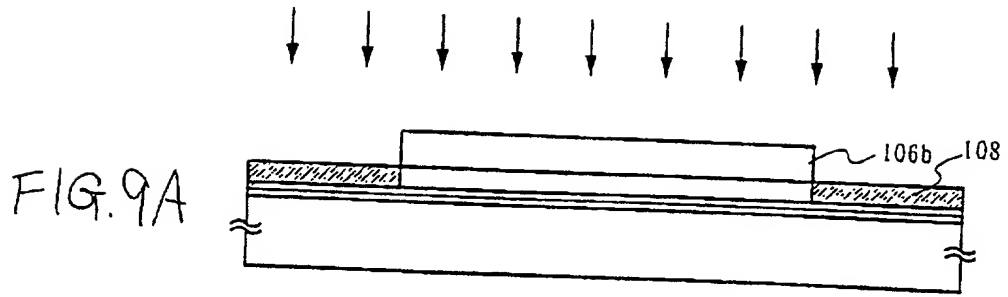


FIG. 10A

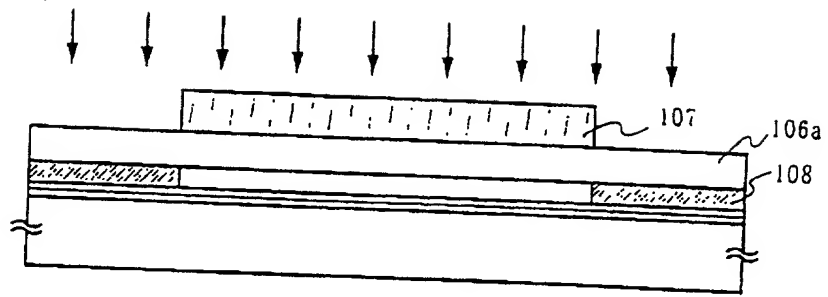


FIG. 10B

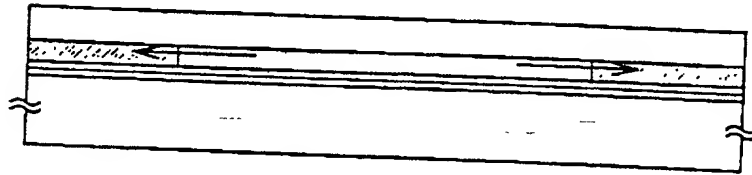


FIG. 10C

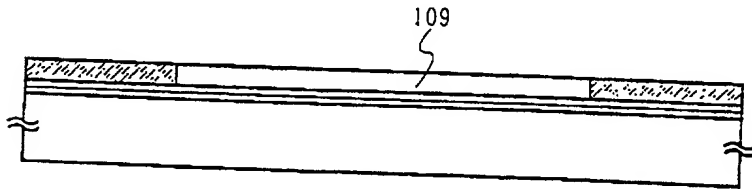


FIG. 10D

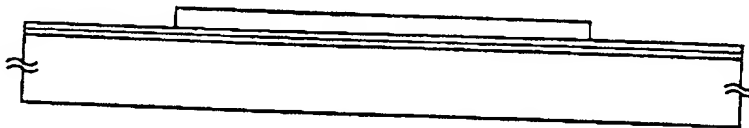


FIG. 11A

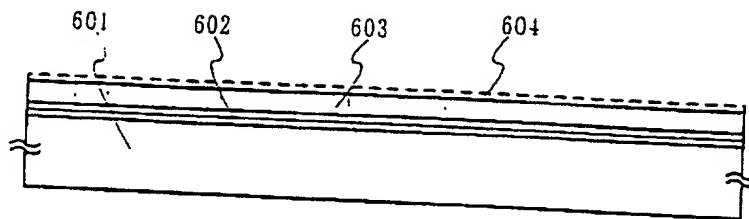


FIG. 11B

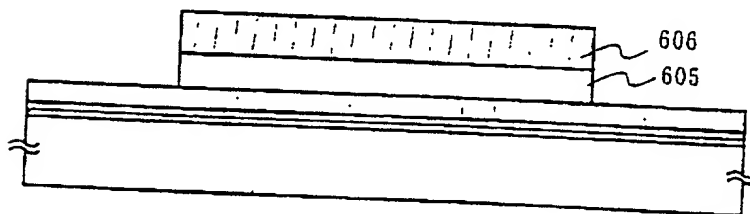


FIG. 11C

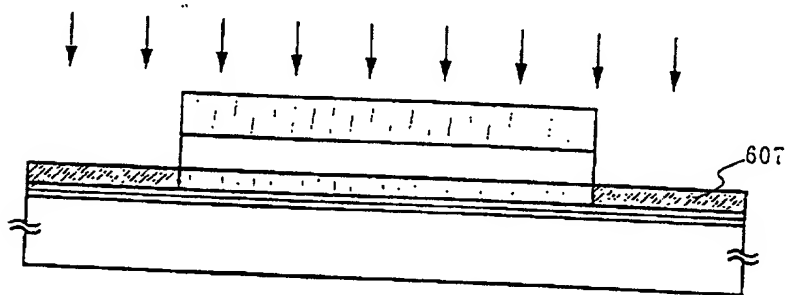


FIG. 11D

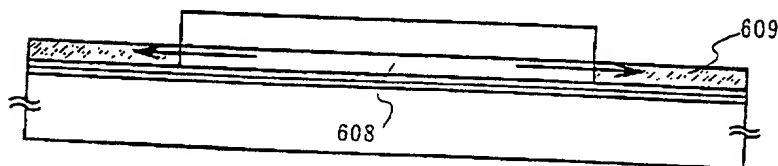
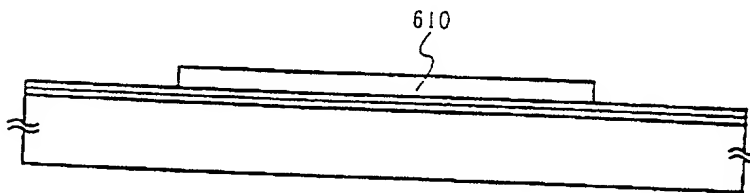


FIG. 11E



10046293-01.702

FIG. 12A

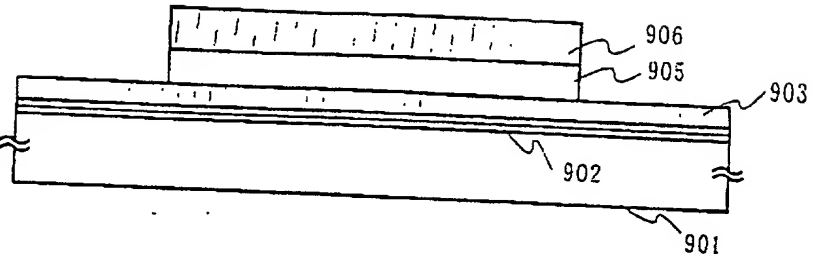


FIG. 12B

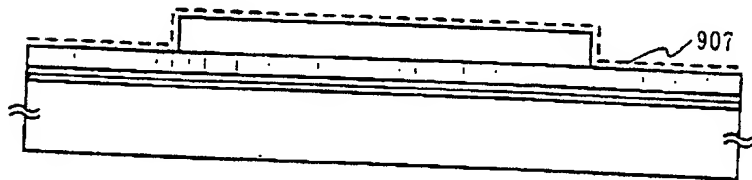


FIG. 12C

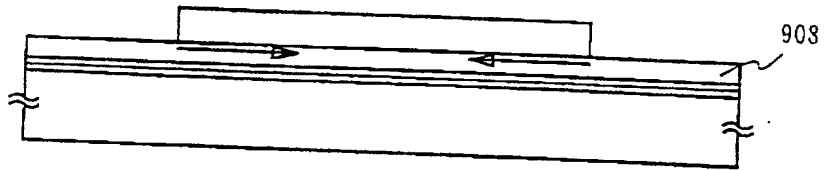


FIG. 12D

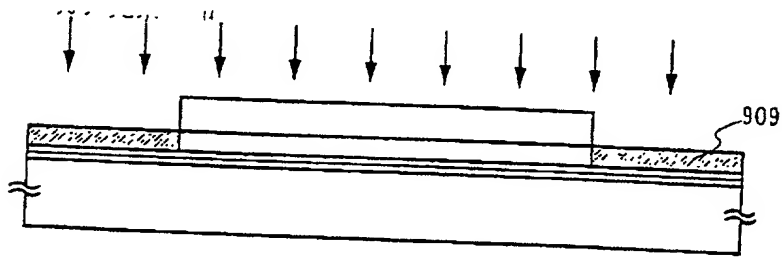


FIG. 12E

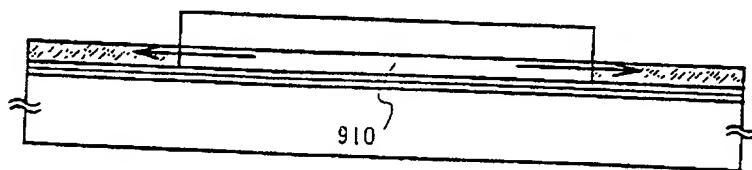


FIG. 12F

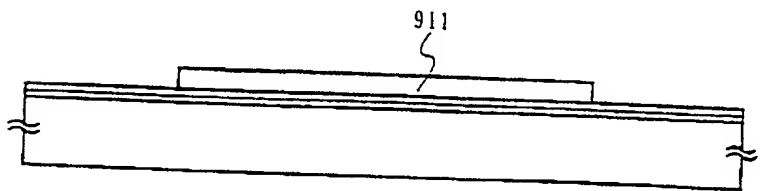


FIG. 13A

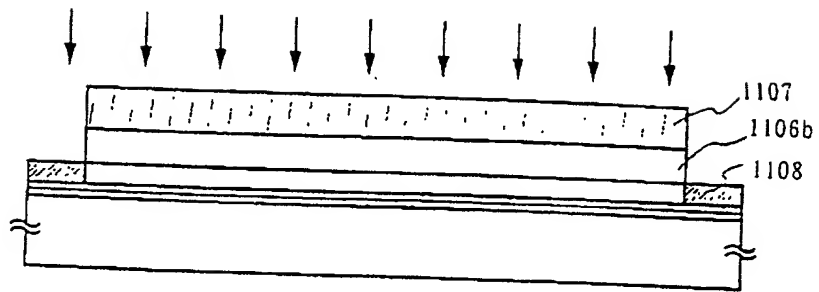


FIG. 13B

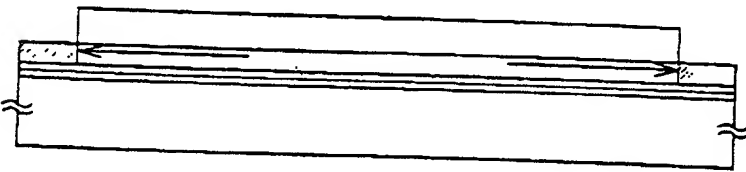


FIG. 13C

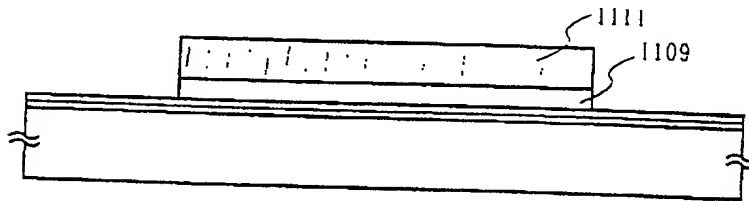


FIG. 13D

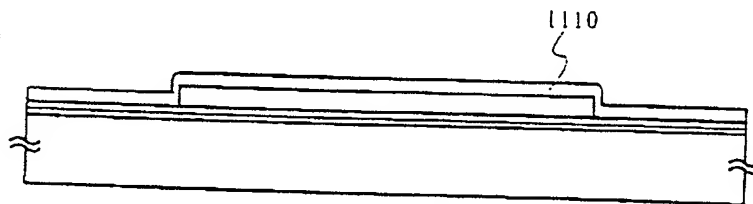


FIG. 14A

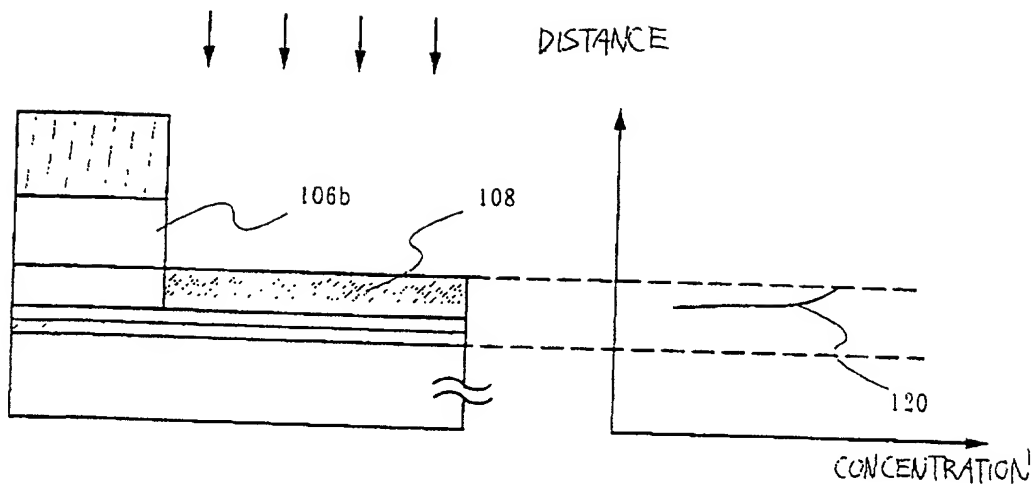


FIG. 14B

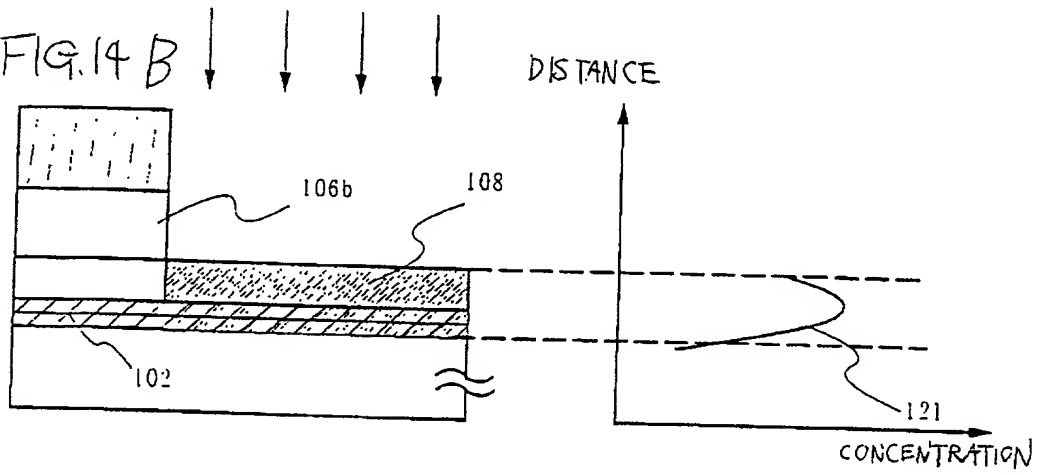
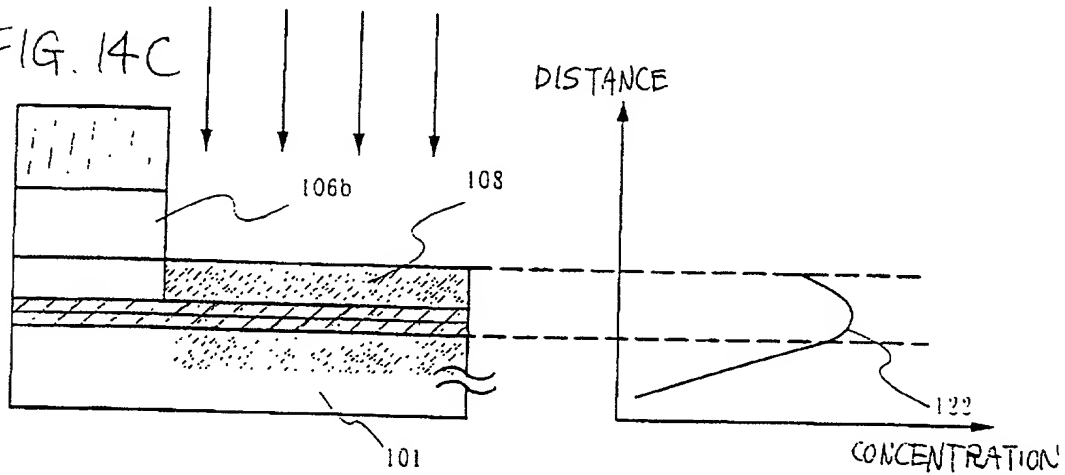


FIG. 14C



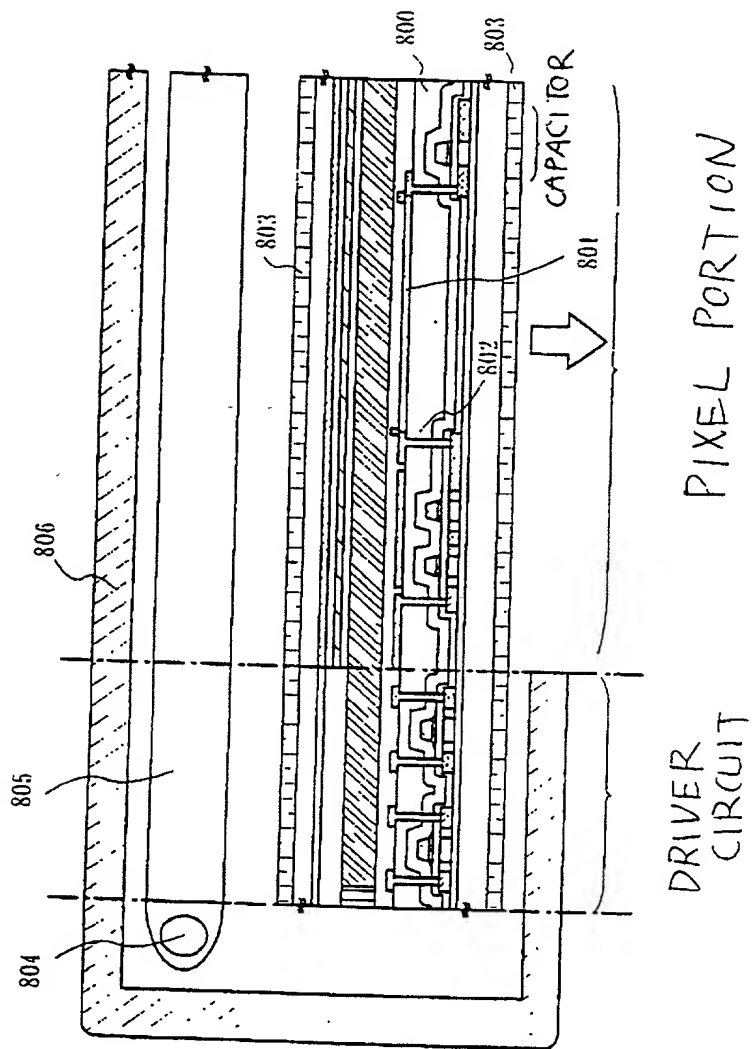
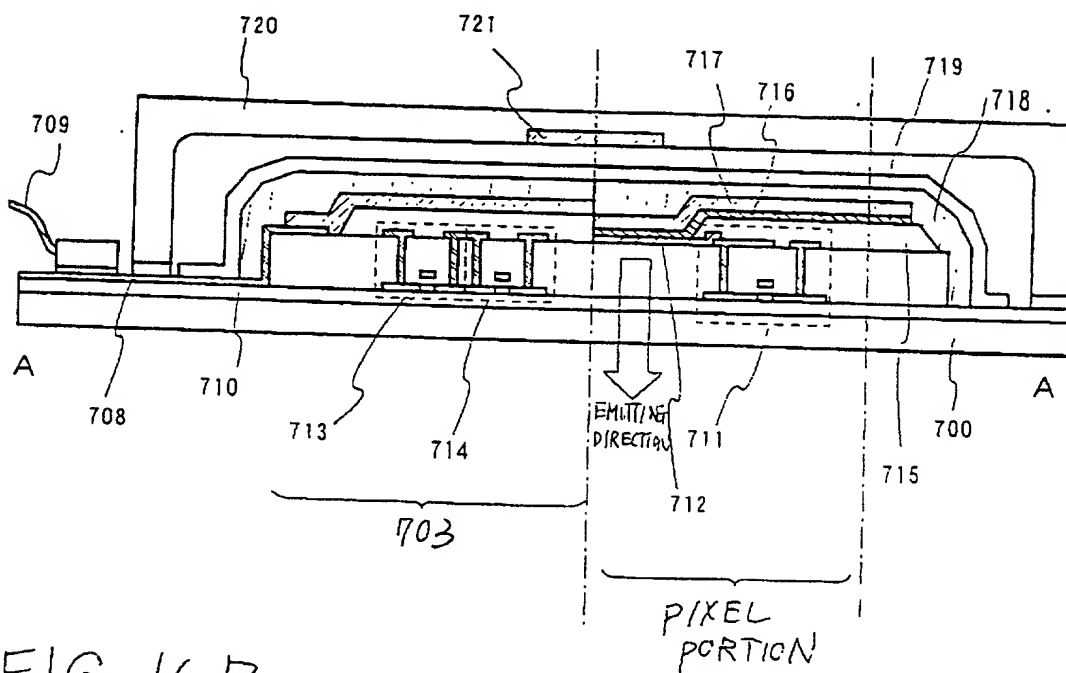
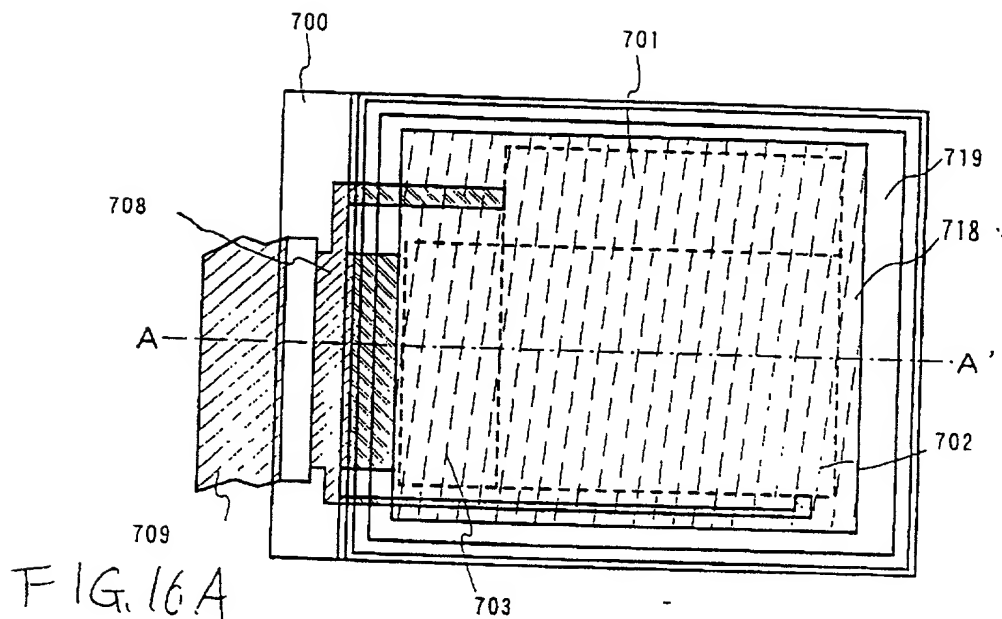


FIG. 15



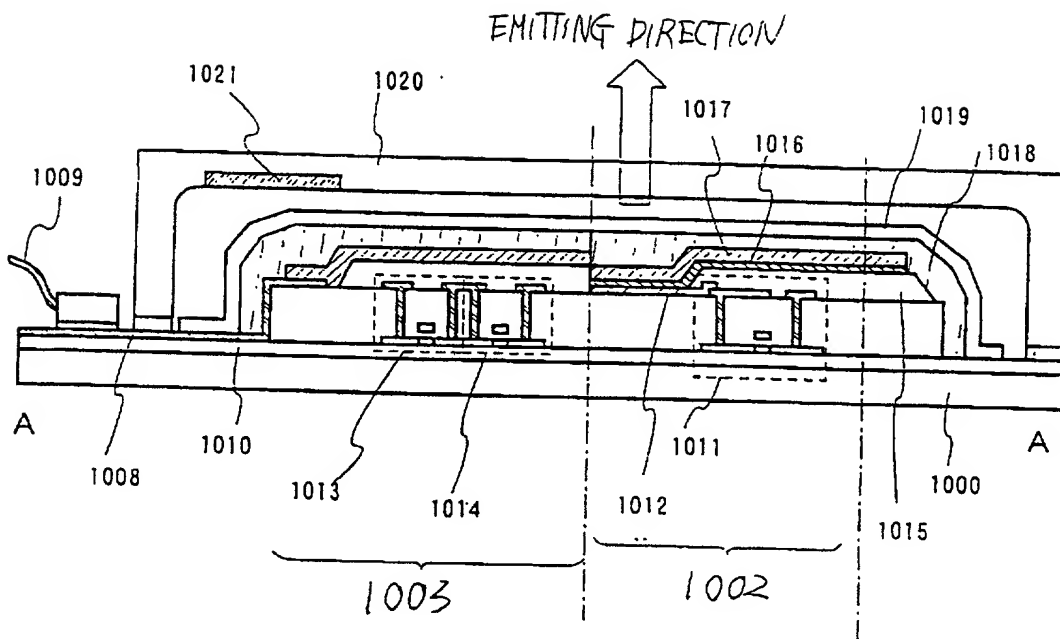


FIG. 17

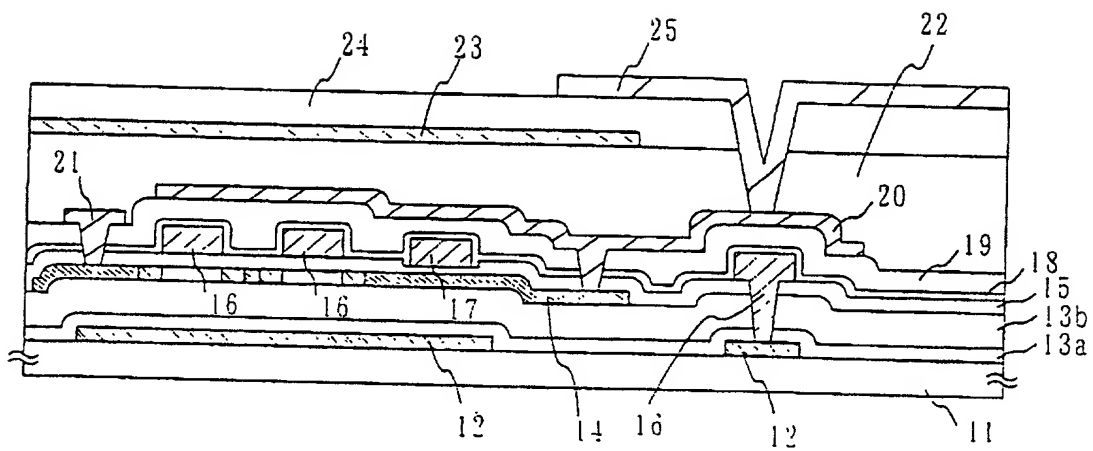


FIG. 18

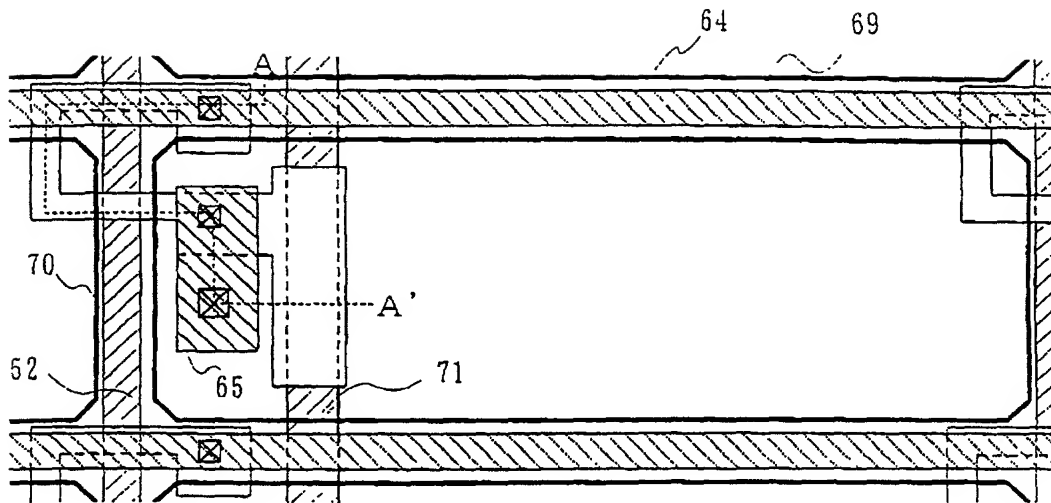


FIG. 19A

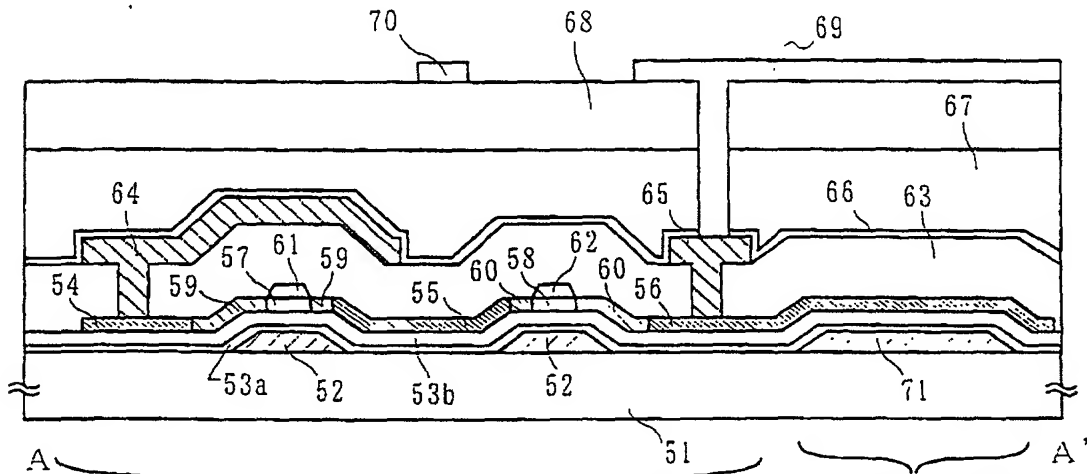


FIG. 19B

PIXEL TFT PORTION

CAPACITOR
PORTION

20240603-043702

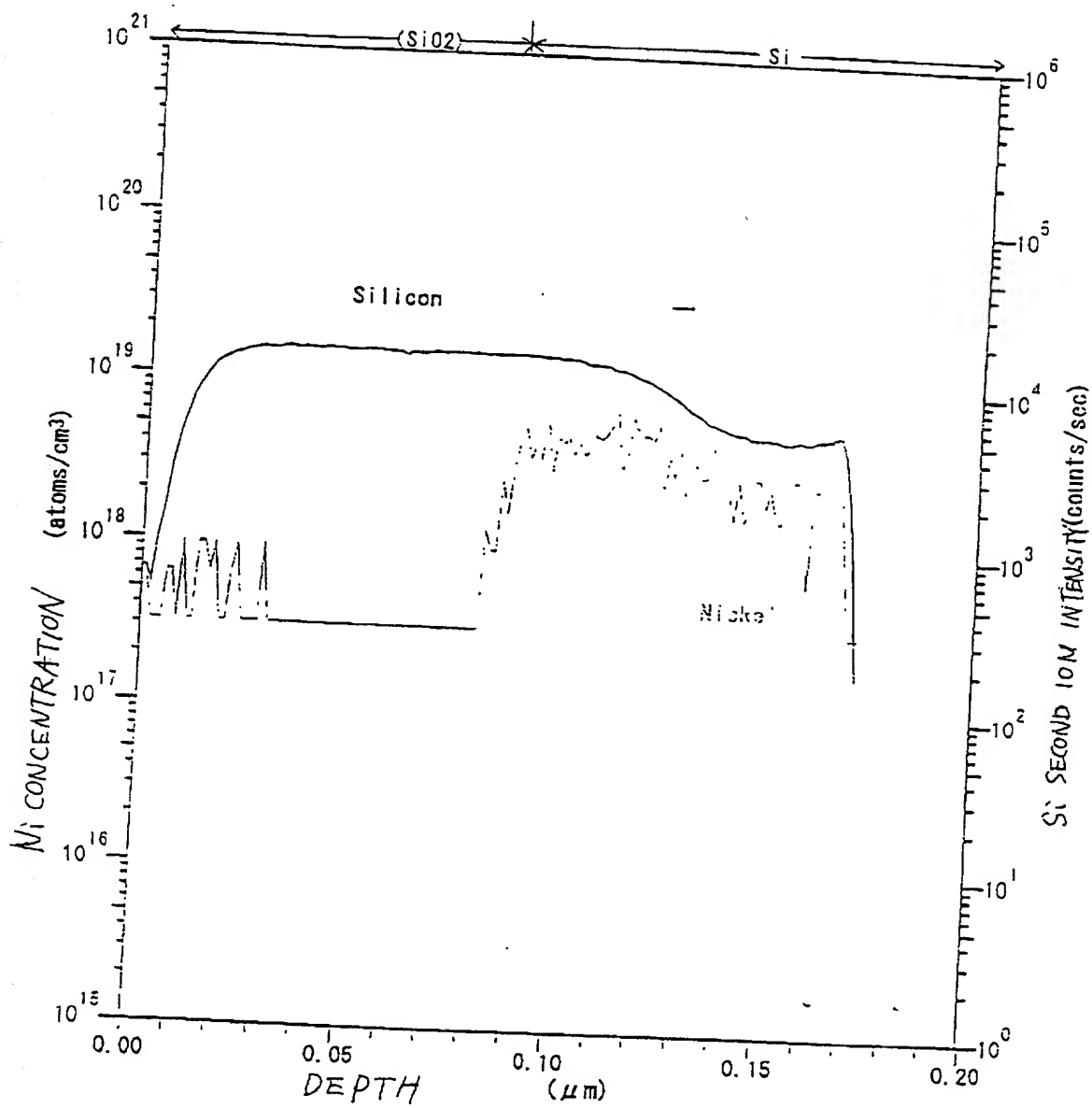


FIG. 20

20270-ESSH007

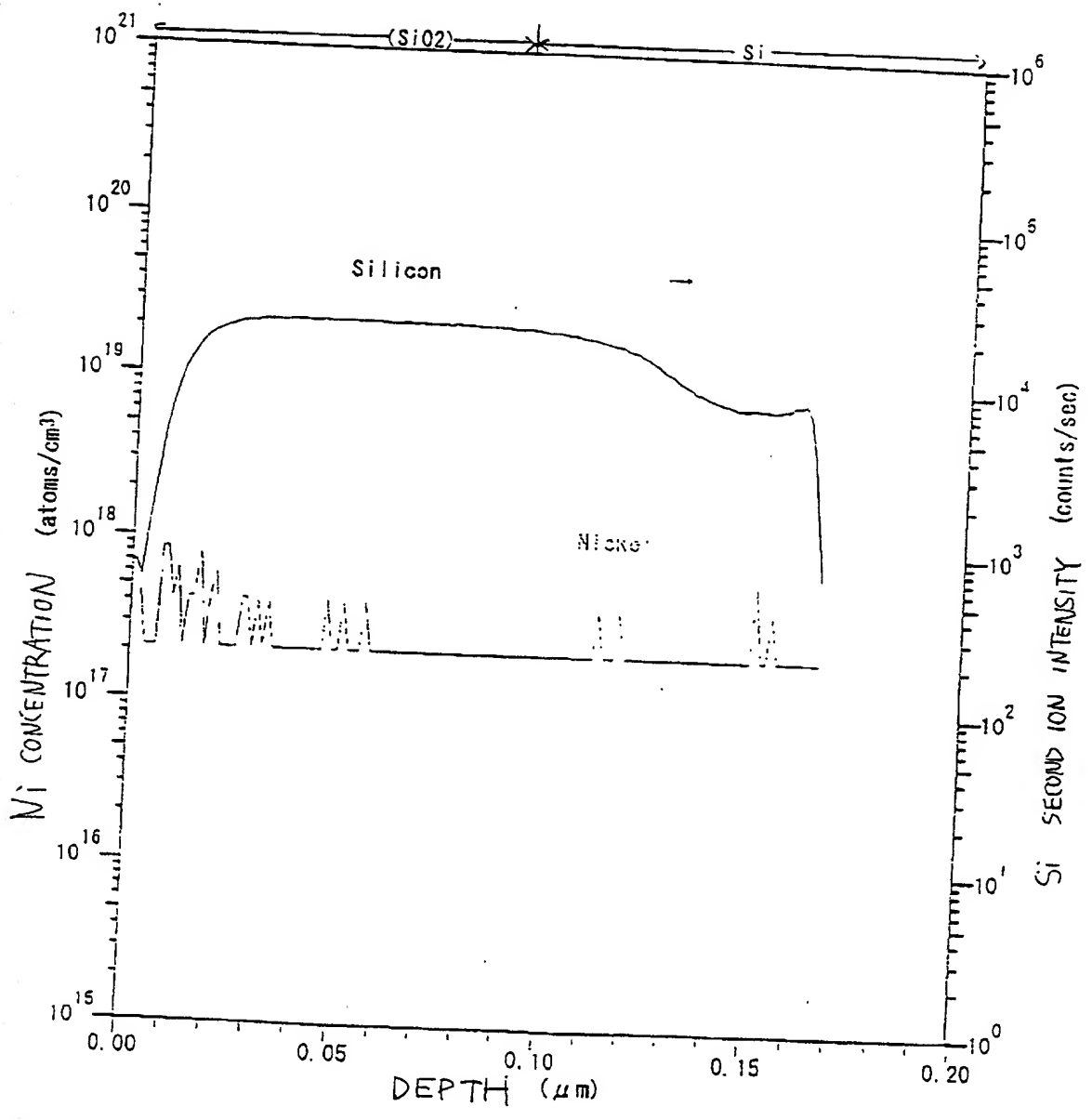


FIG. 21

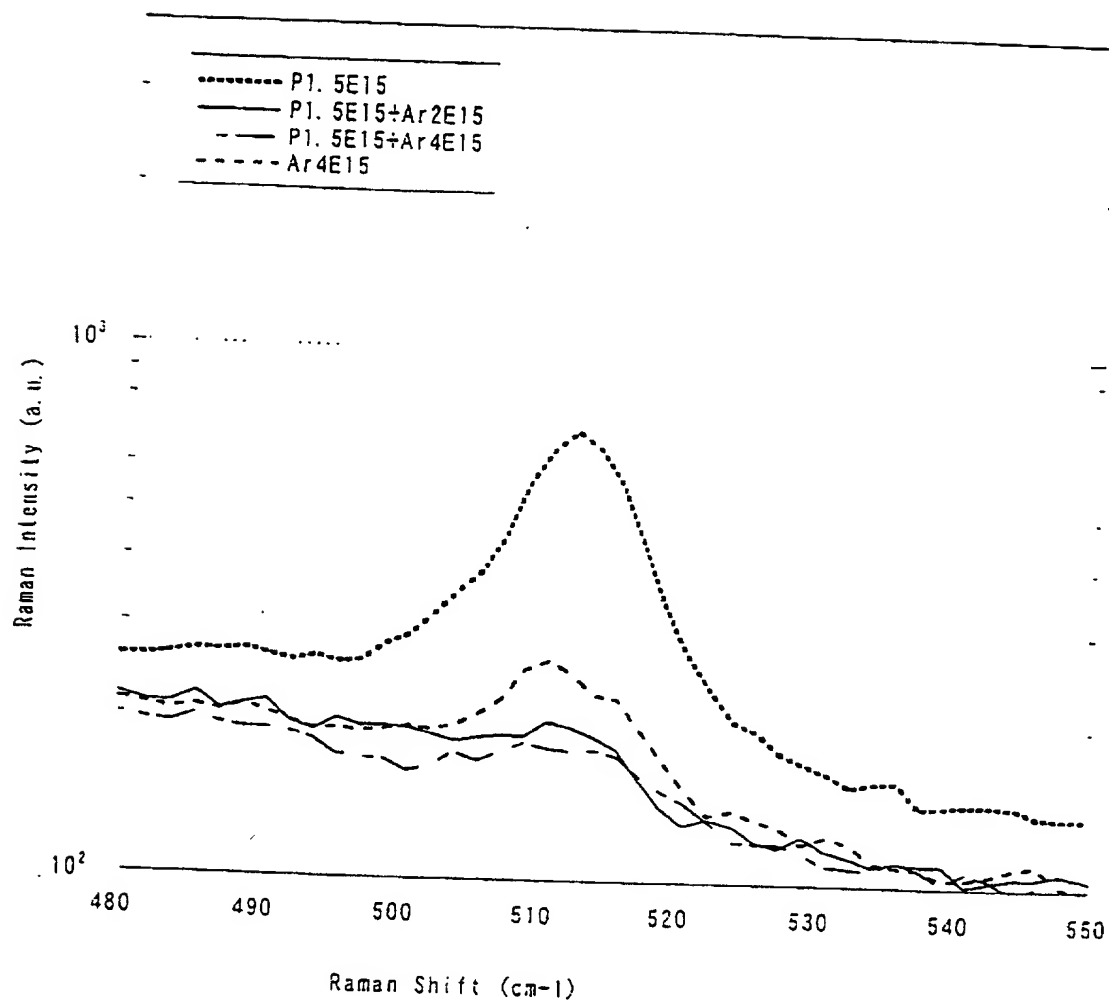


FIG. 22

204710-689400

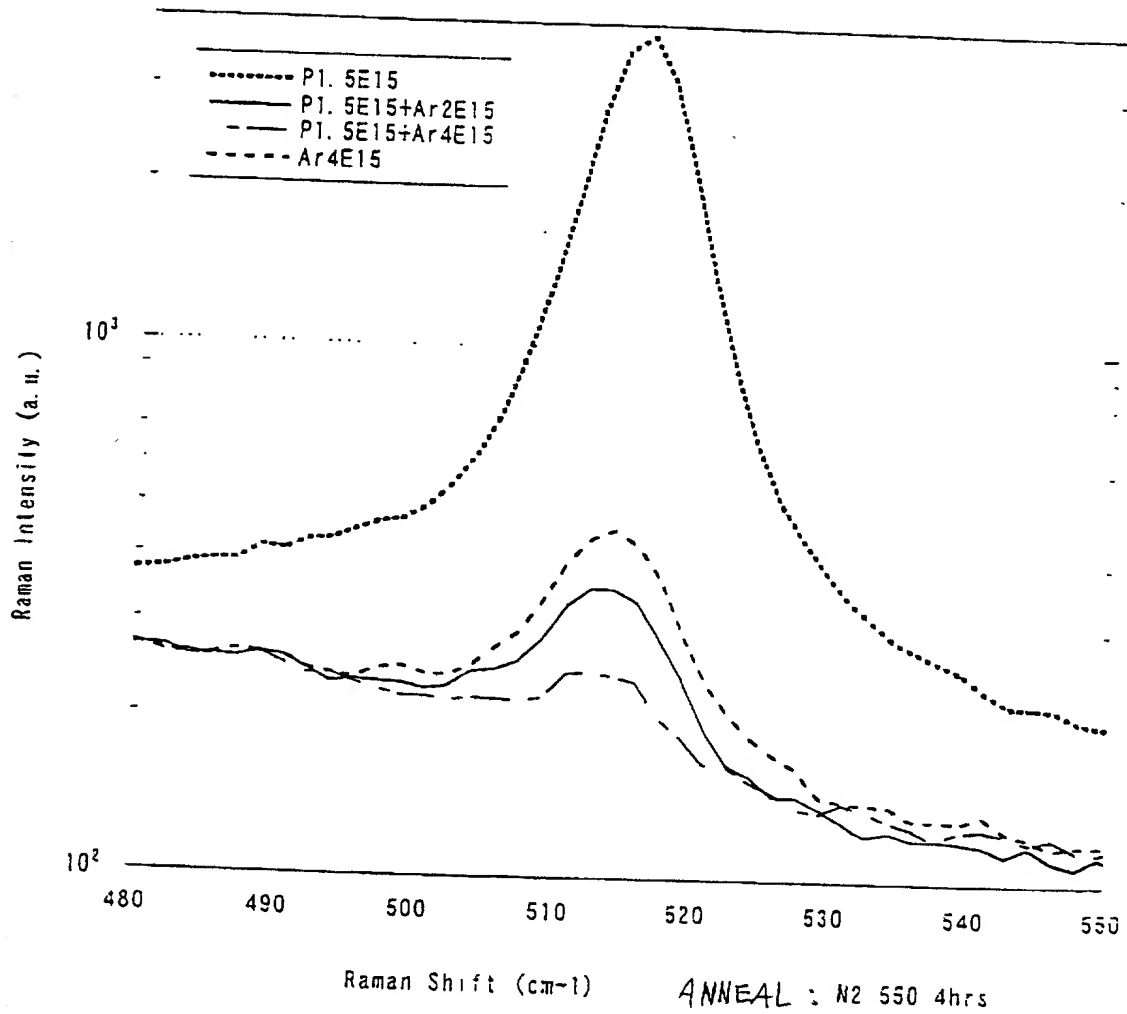


FIG. 23

2046394.00

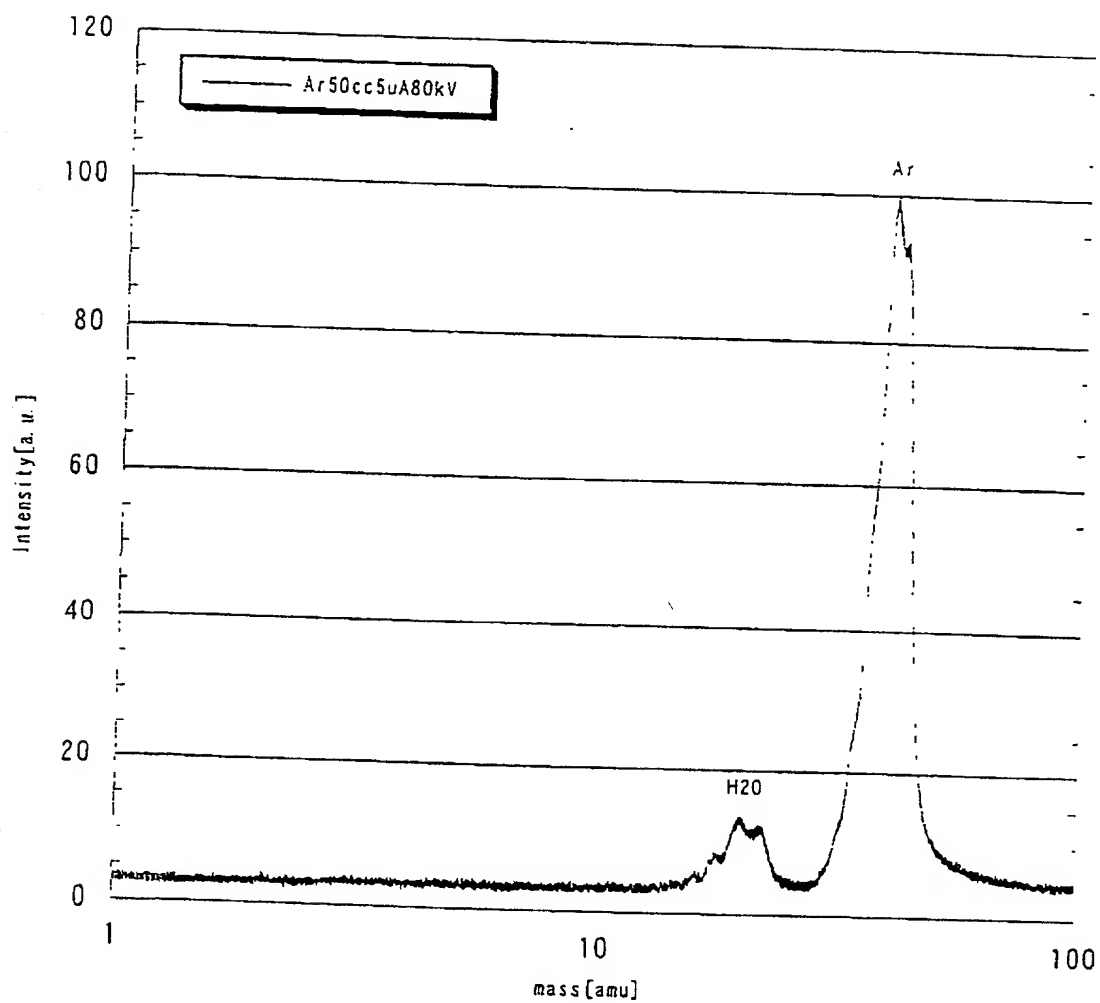
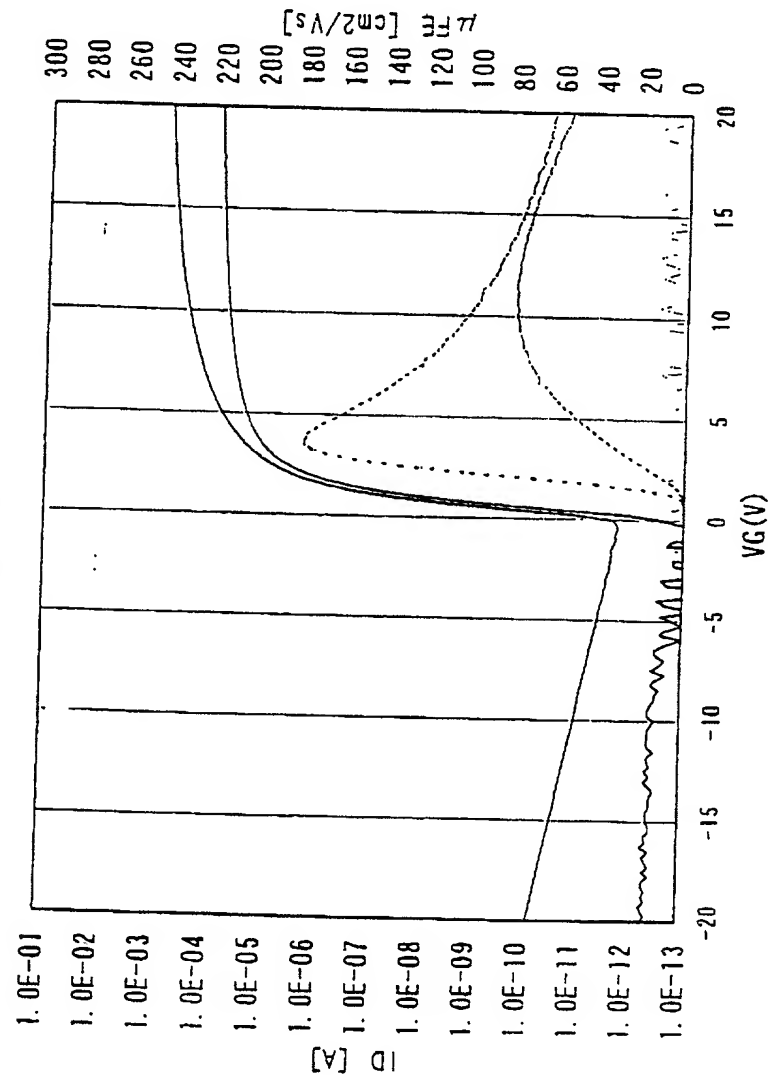


FIG. 24

A P 0 0 5 - 1 7, Units XA3 Y11 (C), N-ch, L/W= 7/ 8,
Tox= 115)



Lot No. :	AP005 CN
FILE NAME	CHNSA311
Comment	SemiAuto
PARAMETER OF MEASUREMENT	
VD start	1
VD step	13
VD step number	2
PARAMETER OF CALCULATION	
CHANNEL TYPE	N
L [μm]	7.0
W [μm]	8.0
DIELECTRIC CONSTANT	4.1
THICKNESS OF OXIDE	115
RESULT OF CALCULATION	
Ion_2	2.34E-04
Ioff_2	3.70E-12
Shift_1[V]	0.231
Vth	1.222
S-value	0.175
$\mu FE(max)$	179.9
$\mu m^2/Vs$	

FIG. 25

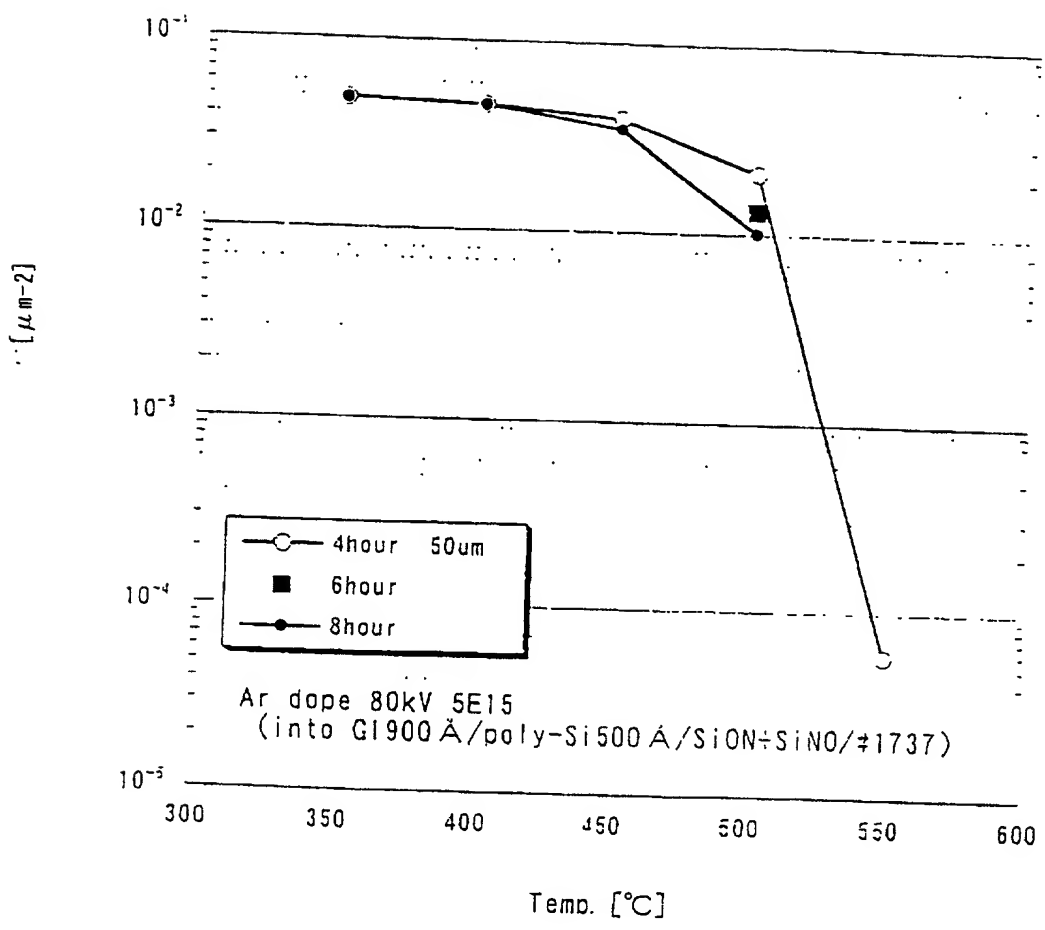


FIG. 26

202410 063400

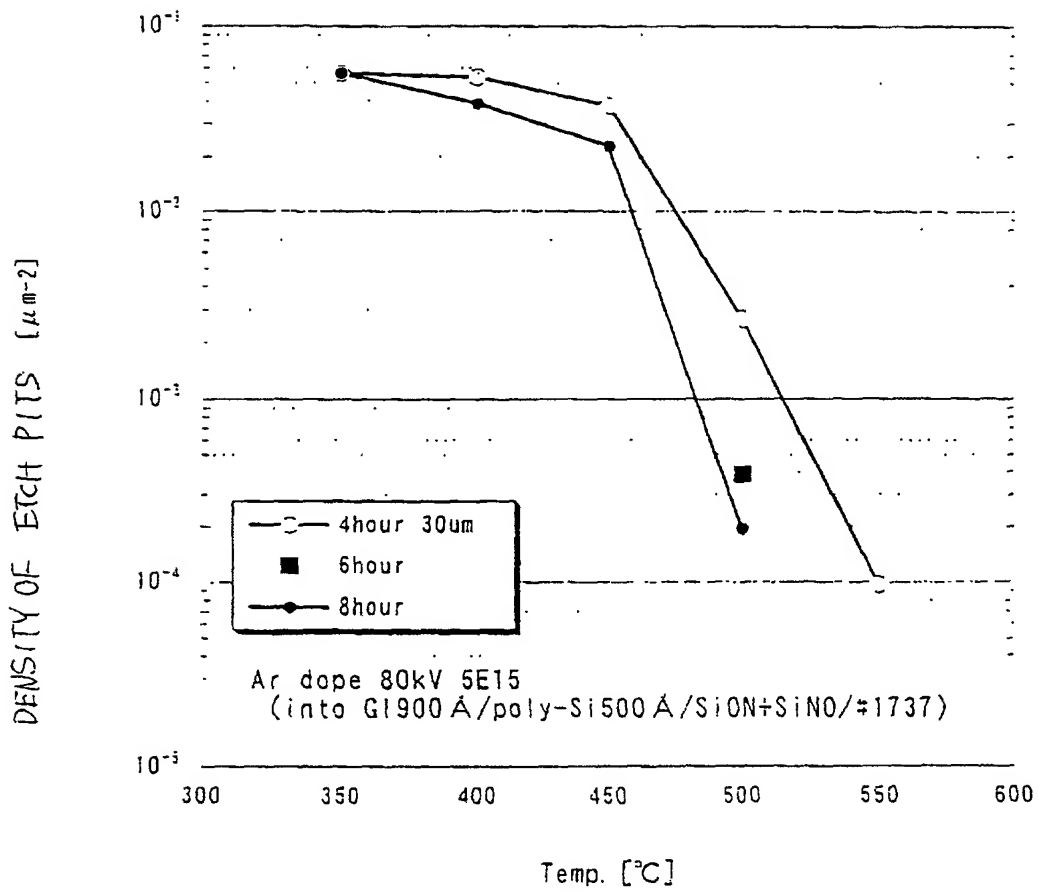


FIG. 27

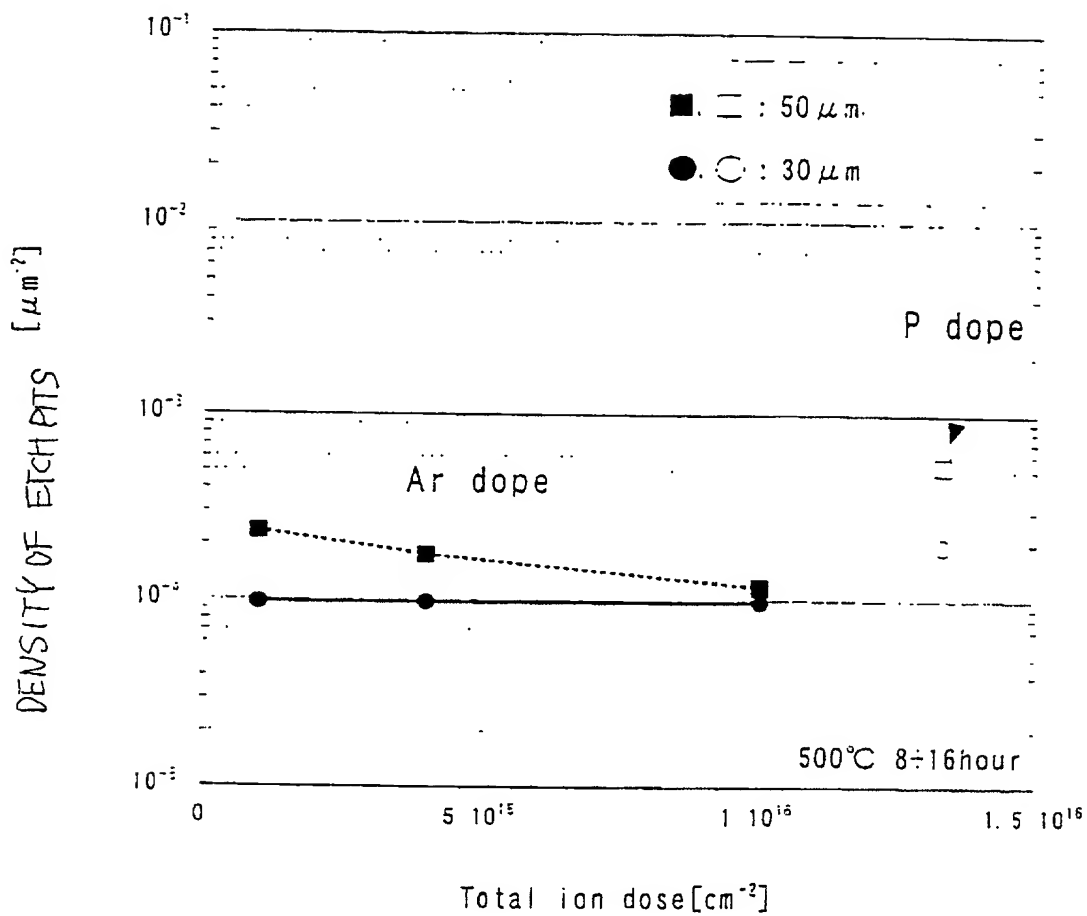


FIG. 28

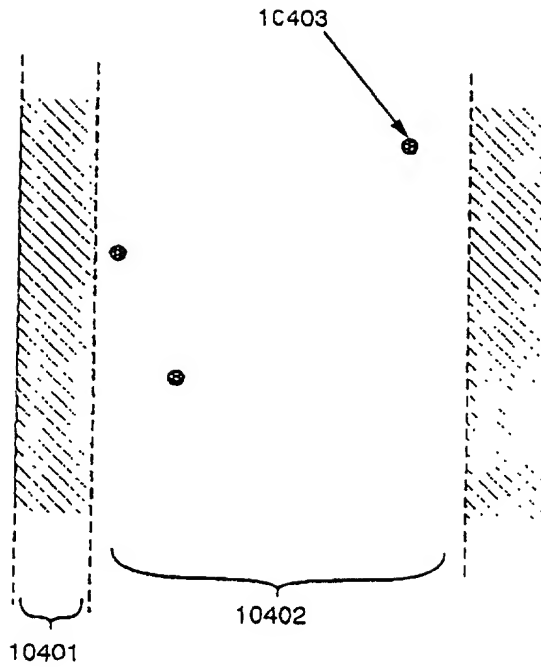


FIG. 29

FIG. 30A

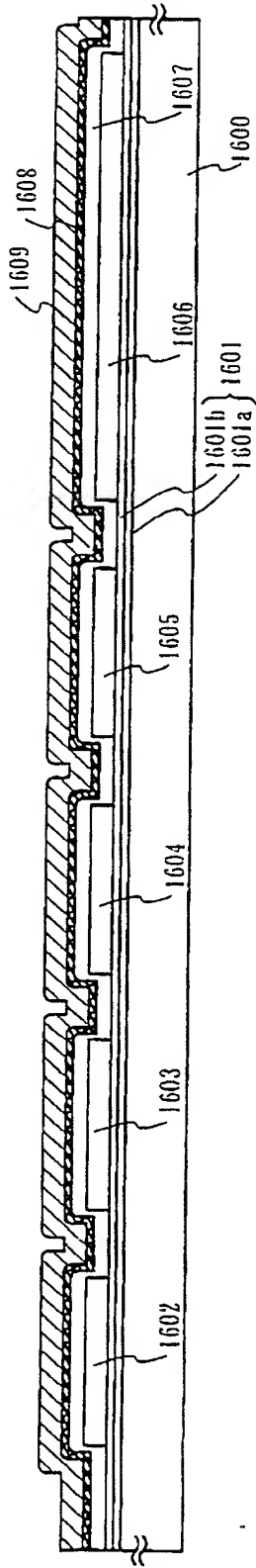


FIG. 30B

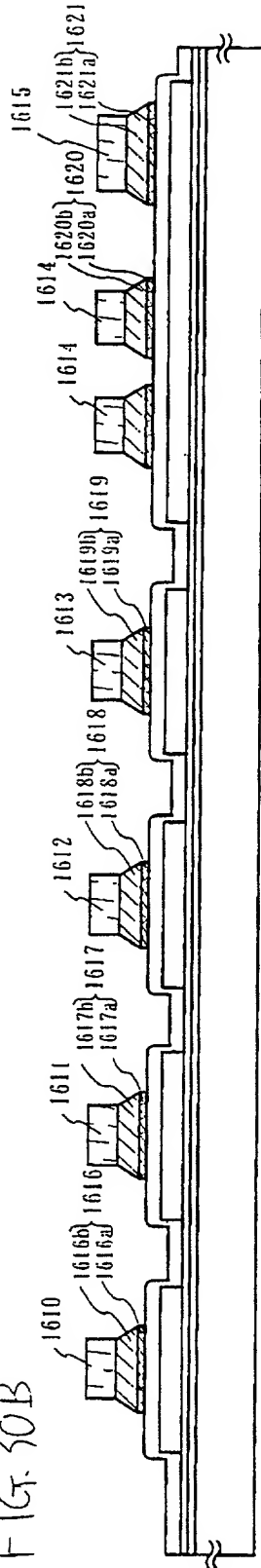
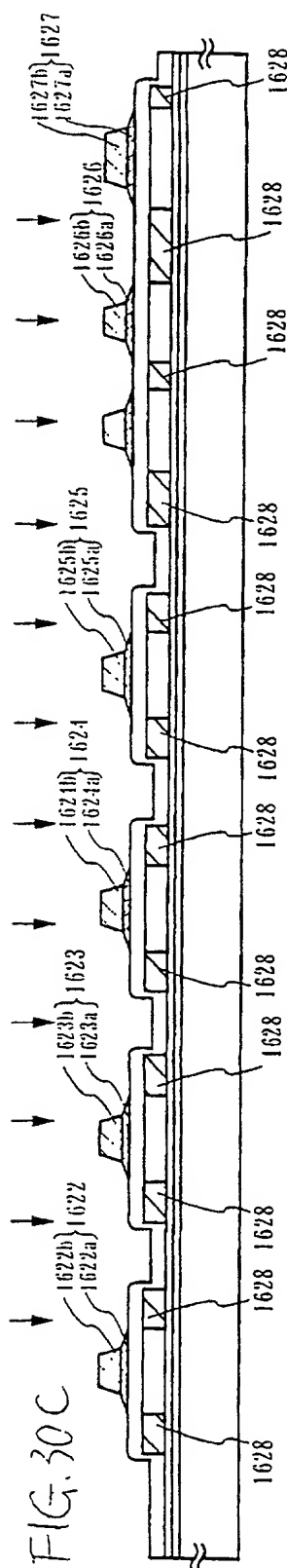
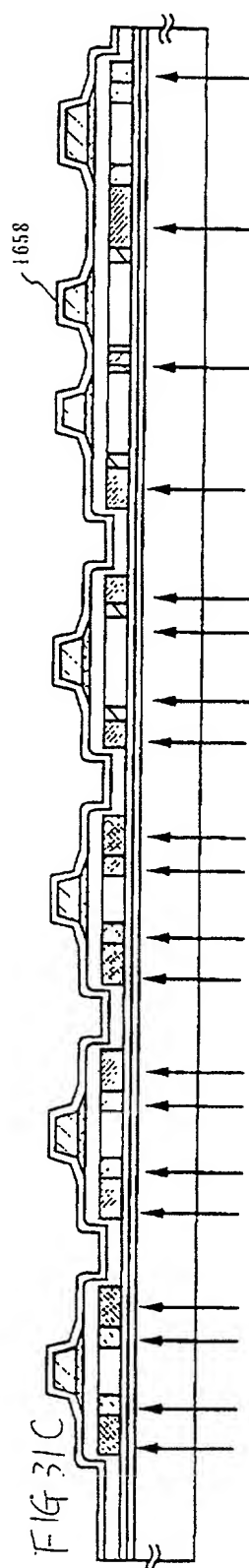
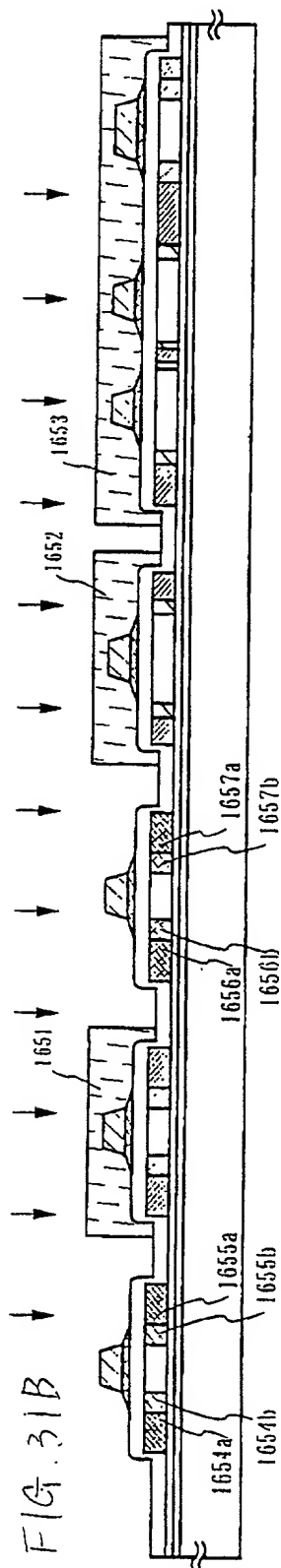
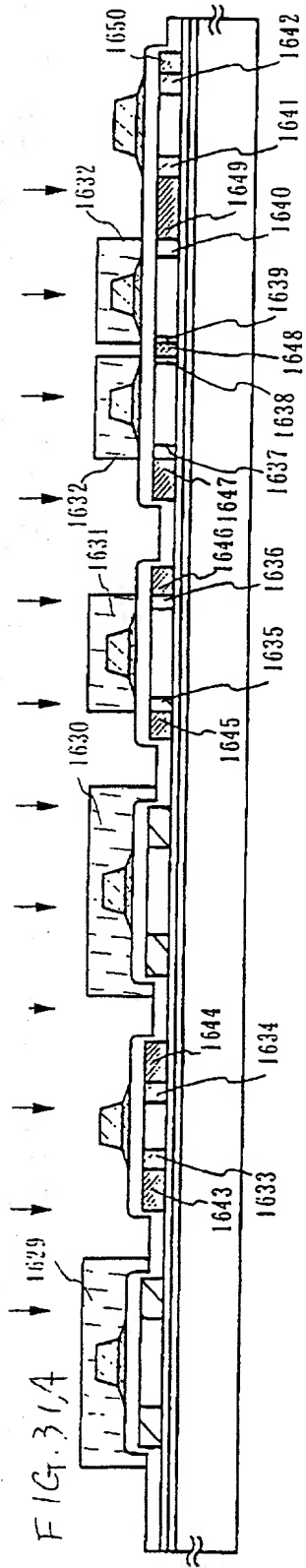


FIG. 30C





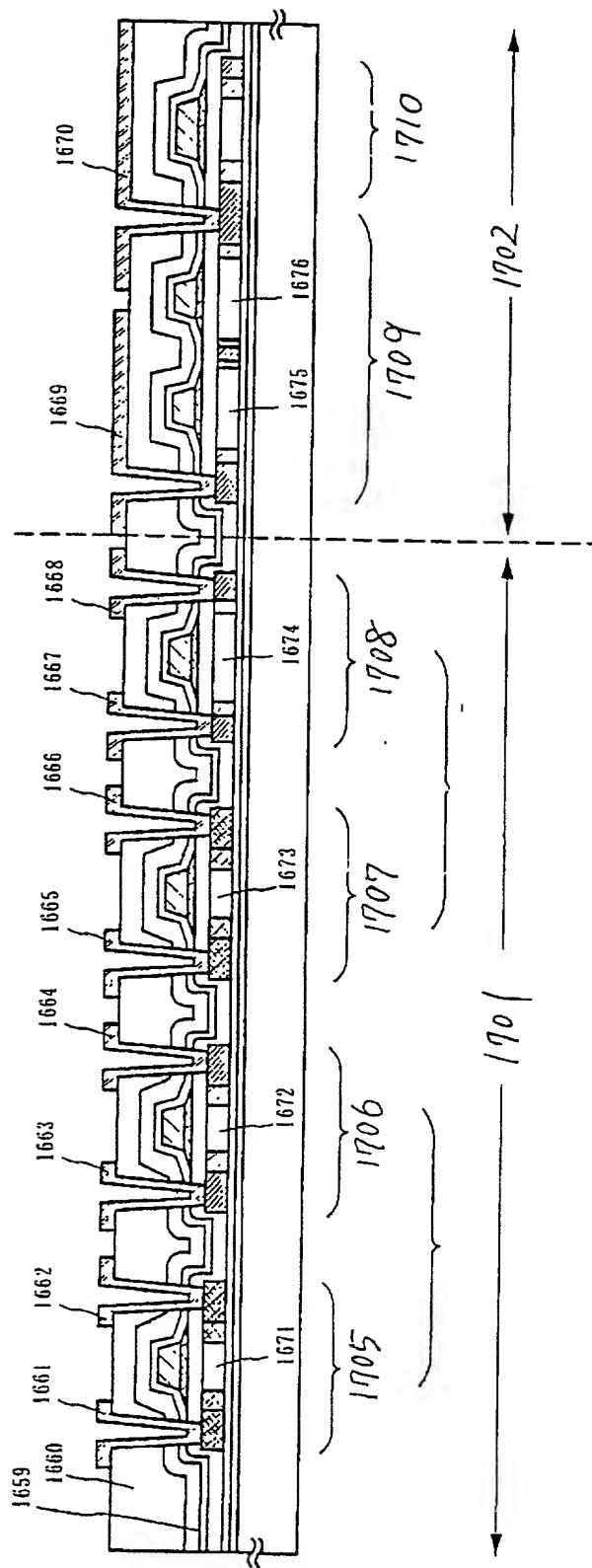


FIG. 32

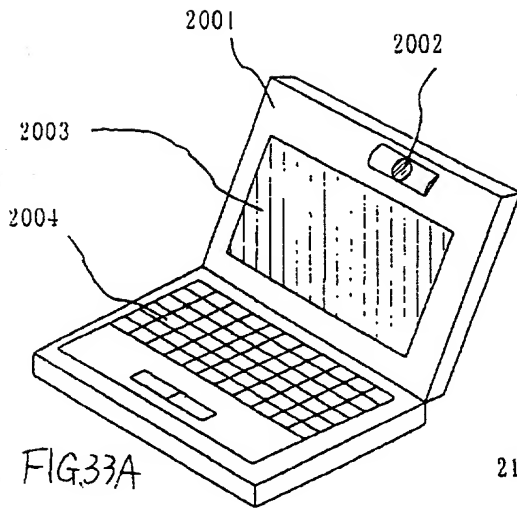


FIG. 33A

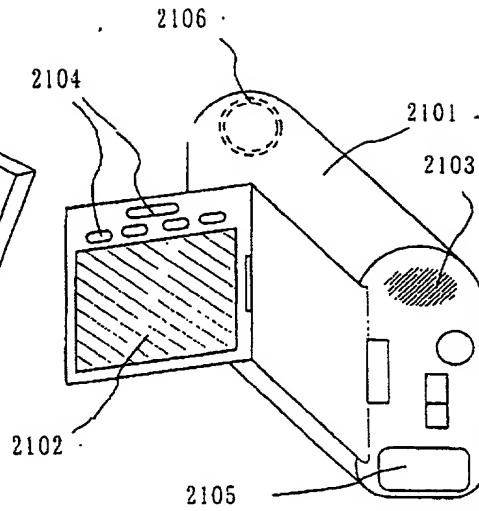


FIG. 33B

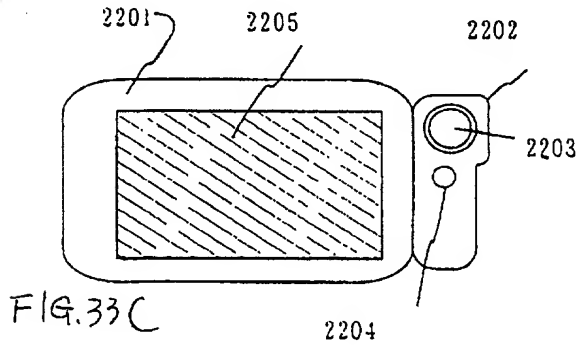


FIG. 33C

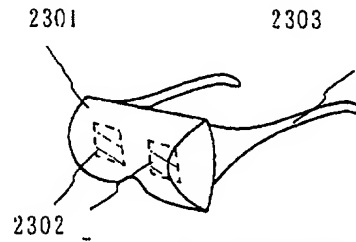


FIG. 33D

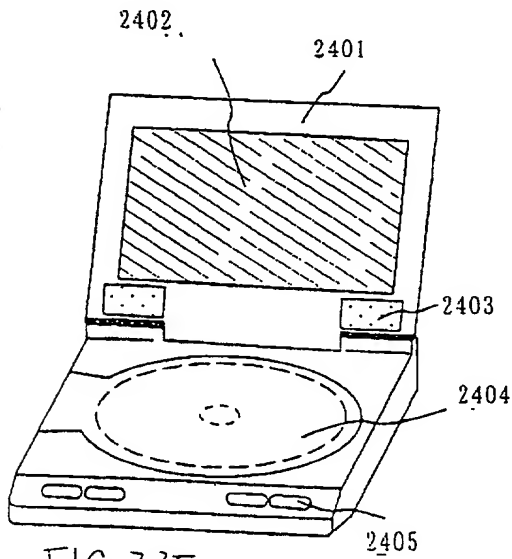


FIG. 33E

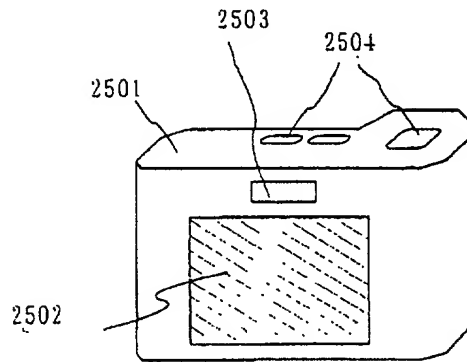


FIG. 33F

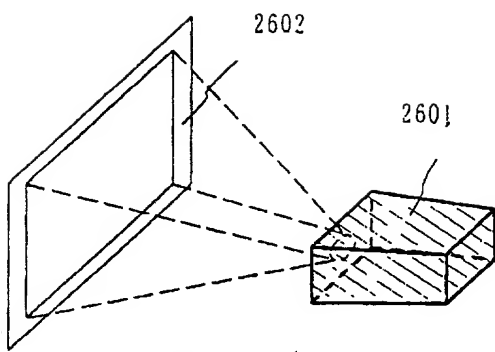


FIG. 34A

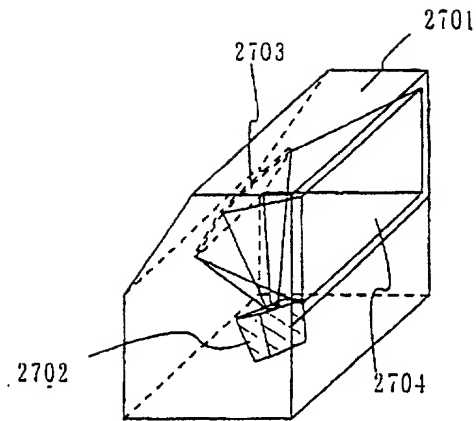


FIG. 34B

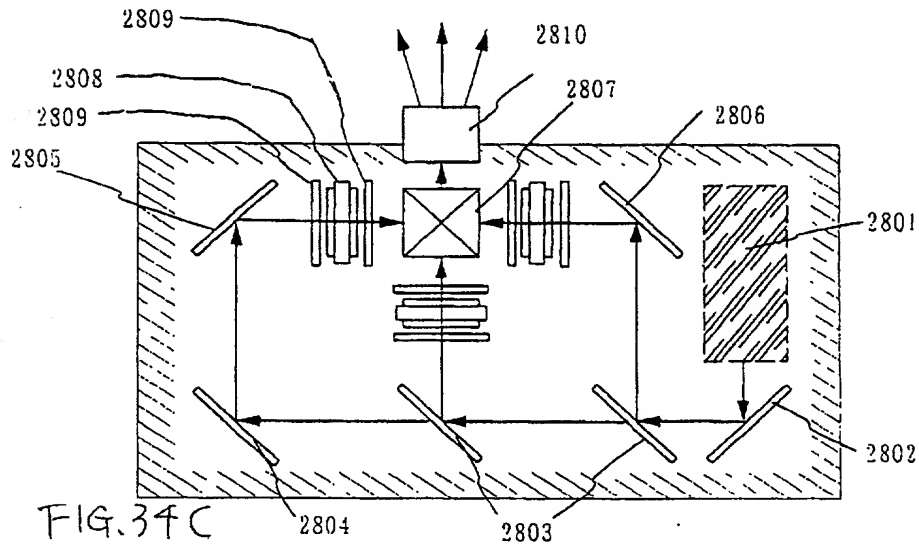


FIG. 34C

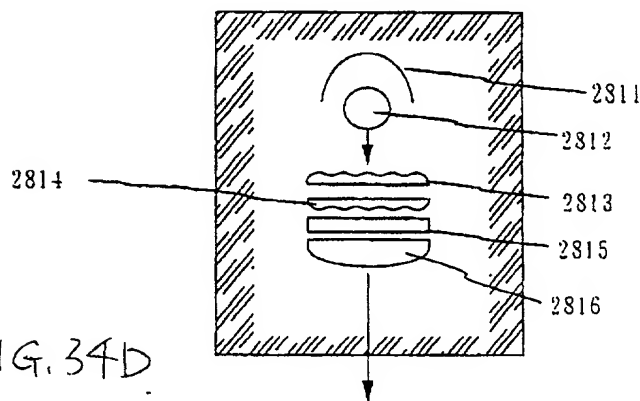


FIG. 34D

FIG. 35A

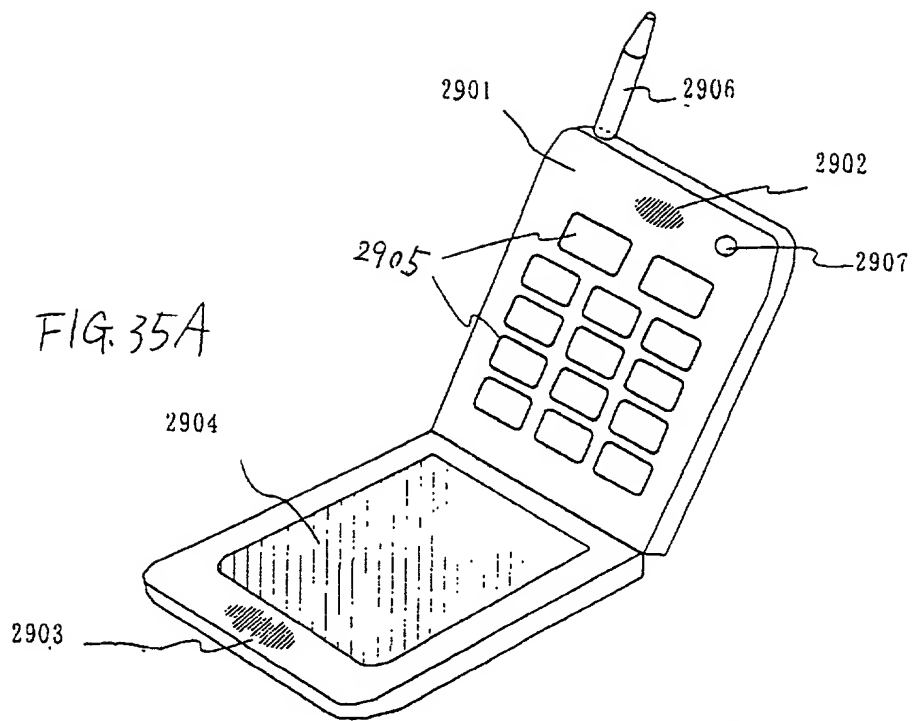


FIG. 35B

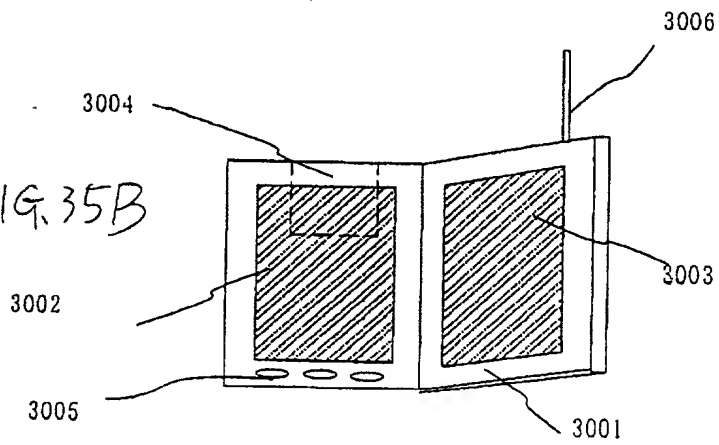
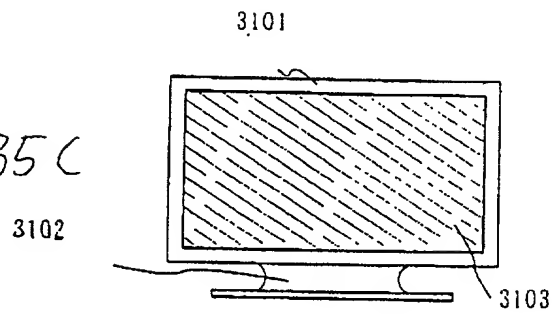


FIG. 35C



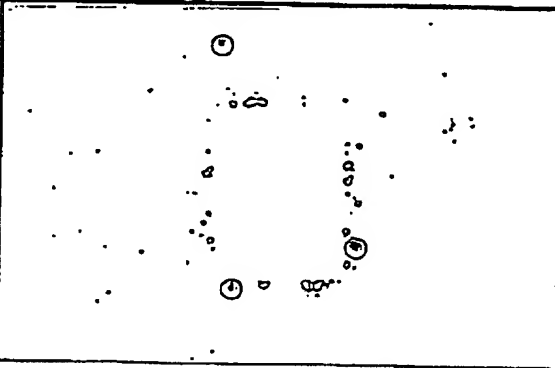
	GETTERING CONDITION
MAGNIFICATION	550°C4hrs
x 200	

FIG. 36